

What is claimed is:

1. A mold component of a mold assembly that includes a first mold and a second mold which are
5 closed to thereby define a cavity therebetween for molding a substrate for an optical recording medium, the mold component being mounted to a mounting portion of the first mold of the mold assembly, and comprising:
a stamper having a molding surface for forming
10 micro asperities in a surface of the substrate for the optical recording medium; and
a stamper holder for holding said stamper thereon, said stamper holder being formed to have a generally hollow cylindrical shape such that said stamper holder
15 can be mounted to the mounting portion of the first mold,
wherein said stamper has an insertion hole formed through a central portion thereof, the insertion hole having a diameter which is larger than an outer
20 diameter of a cavity-side end of said stamper holder when said stamper has a higher temperature than a normal temperature, and is reduced to be slightly smaller than the outer diameter when said stamper has the normal temperature, said stamper being held on said
25 stamper holder, with said cavity-side end of said stamper holder being grasped by a rim of the insertion hole which is reduced in diameter at the normal temperature of said stamper, after having said cavity-side end of said stamper holder inserted therein at the
30 higher temperature of said stamper.
2. A mold component as claimed in claim 1, wherein said stamper holder is configured such that the outer diameter of said cavity-side end thereof is

smaller than an outer diameter of an end of said stamper holder opposite to said cavity-side end.

3. A mold assembly for defining a cavity for molding a substrate for an optical recording medium,
5 comprising:

a first mold having a mounting portion;

a second mold which is closed together with said first mold to thereby define the cavity between said first mold and said second mold;

10 a stamper having a molding surface for forming micro asperities in a surface of the substrate for the optical recording medium; and

a stamper holder for holding said stamper thereon, said stamper holder being formed to have a generally
15 hollow cylindrical shape such that said stamper holder can be mounted to said mounting portion of said first mold,

wherein said stamper has an insertion hole formed through a central portion thereof, the insertion hole
20 having a diameter which is larger than an outer diameter of a cavity-side end of said stamper holder when said stamper has a higher temperature than a normal temperature, and is reduced to be slightly smaller than the outer diameter when said stamper has
25 the normal temperature, said stamper being held on said stamper holder, with said cavity-side end of said stamper holder being grasped by a rim of the insertion hole which is reduced in diameter at the normal temperature of said stamper, after having said cavity-
30 side end of said stamper holder inserted therein at the higher temperature of said stamper.

4. A mold assembly as claimed in claim 3, wherein said stamper holder is configured such that the

outer diameter of said cavity-side end thereof is smaller than an outer diameter of an end of said stamper holder opposite to said cavity-side end.

5 5. A mold assembly as claimed in claim 3, further comprising a sprue bushing disposed in said first mold, and having said stamper holder mounted on an outer periphery thereof, and

wherein a cavity-side end face of said stamper holder is slightly protruded toward the cavity with
10 respect to a cavity-side end face of said sprue bushing, and

wherein the molding surface of said stamper is slightly protruded toward the cavity with respect to the cavity-side end face of said stamper holder.

15 6. A mold assembly as claimed in claim 4, further comprising a sprue bushing disposed in said first mold, and having said stamper holder mounted on an outer periphery thereof, and

wherein a cavity-side end face of said stamper
20 holder is slightly protruded toward the cavity with respect to a cavity-side end face of said sprue bushing, and

wherein the molding surface of said stamper is slightly protruded toward the cavity with respect to
25 the cavity-side end face of said stamper holder.